

Please cancel the existing Sequence Listing for the above-identified application, replace it with the substitute Sequence Listing appended hereto, and insert the same at the end of the application.

In the Claims

Please cancel claims 1-23 without prejudice to or disclaimer of the subject matter therein.
Please add the following new claims.

-- 24. An isolated polynucleotide comprising a nucleotide sequence encoding amino acids 1 to 967 of SEQ ID NO:126.

25. The isolated polynucleotide of claim 24, wherein said polynucleotide comprises nucleotides 466 to 3366 of SEQ ID NO:125.

26. The isolated polynucleotide of claim 24, wherein said nucleotide sequence comprises the entire nucleotide sequence of SEQ ID NO:125.

27. The isolated polynucleotide of claim 24, which is RNA.

28. The isolated polynucleotide of claim 25, which is RNA.

29. The isolated polynucleotide of claim 26, which is RNA.

A2
amp
1,

30. The isolated polynucleotide of claim 24, which is DNA.

31. The isolated polynucleotide of claim 25, which is DNA.

32. The isolated polynucleotide of claim 26, which is DNA.

33. A vector comprising the isolated polynucleotide of claim 24.

34. The vector of claim 33, wherein said polynucleotide is operably associated with a regulatory sequence that regulates gene expression.

35. A host cell which comprises the isolated polynucleotide of claim 24.

36. A process for producing a host cell comprising transforming or transfecting a cell with the vector of claim 33.

37. A process for producing a polypeptide comprising culturing the host cell of claim 36 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

38. An isolated polynucleotide which hybridizes at 42°C in 50% formamide, 5xSSC, 50 mM sodium phosphate, 5x Denhardt's solution, 10% dextran sulfate, and 20 µg/ml denatured,

sheared salmon sperm DNA, followed by washing in 0.1xSSC at 65°C, with a probe consisting of nucleotides 466 to 3366 of SEQ ID NO:125.

39. The isolated polynucleotide of claim 38, which is RNA.

40. The isolated polynucleotide of claim 38, which is DNA.

41. A vector comprising the isolated polynucleotide of claim 38.

42. The vector of claim 41, wherein said polynucleotide is operably associated with a regulatory sequence that regulates gene expression.

43. A host cell which comprises the isolated polynucleotide of claim 38.

44. A process for producing a host cell comprising transforming or transfecting a cell with the vector of claim 41.

45. A process for producing a polypeptide comprising culturing the host cell of claim 43 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

46. An isolated polynucleotide comprising a nucleotide sequence which is complementary to a polynucleotide sequence encoding amino acids 1 to 967 of SEQ ID NO:126.

47. The isolated polynucleotide of claim 46, comprising a nucleotide sequence which is complementary to nucleotides of 466 to 3366 SEQ ID NO:125.

48. An isolated polynucleotide comprising a nucleotide sequence at least 95% identical to the nucleotide sequence of SEQ ID NO:125.

49. The isolated polynucleotide of claim 48, comprising a nucleotide sequence at least 95% identical to nucleotides 466 to 3366 of SEQ ID NO:125.

50. The isolated polynucleotide of claim 49, which is RNA.

51. The isolated polynucleotide of claim 49, which is DNA.

52. A vector comprising the isolated polynucleotide of claim 49.

53. The vector of claim 52, wherein said polynucleotide is operably associated with a regulatory sequence that regulates gene expression.

54. A host cell which comprises the isolated polynucleotide of claim 49.

55. A process for producing a host cell comprising transforming or transfecting a cell with the vector of claim 52.

mb
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56. A process for producing a polypeptide comprising culturing the host cell of claim 54 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

57. An isolated polynucleotide comprising a nucleotide sequence encoding amino acids 1 to 950 of SEQ ID NO:2.

58. The isolated polynucleotide of claim 57, comprising nucleotides 1 to 2853 of SEQ ID NO:1.

59. The isolated polynucleotide of claim 58, comprising the entire nucleotide sequence of SEQ ID NO:1.

60. The isolated polynucleotide of claim 57, which is RNA.

61. The isolated polynucleotide of claim 57, which is DNA.

62. A vector comprising the isolated polynucleotide of claim 57.

63. The vector of claim 62, wherein said polynucleotide is operably associated with a regulatory sequence that regulates gene expression.

64. A host cell which comprises the isolated polynucleotide of claim 57.

mb
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A2
wt

65. A process for producing a host cell comprising transforming or transfecting a cell with the vector of claim 62.

66. A process for producing a polypeptide comprising culturing the host cell of claim 64 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

67. An isolated polynucleotide comprising a nucleotide sequence which is complementary to a polynucleotide sequence encoding amino acids 1 to 950 of SEQ ID NO:2.

68. The isolated polynucleotide of claim 67, comprising a nucleotide sequence which is complementary to nucleotides 1 to 2853 of SEQ ID NO:1.

69. An isolated polynucleotide which hybridizes at 42°C in 50% formamide, 5xSSC, 50 mM sodium phosphate, 5x Denhardt's solution, 10% dextran sulfate, and 20 µg/ml denatured, sheared salmon sperm DNA, followed by washing in 0.1xSSC at 65°C, with a probe consisting of nucleotides 1 to 2853 of SEQ ID NO:1.

70. The isolated polynucleotide of claim 69, which is RNA.

71. The isolated polynucleotide of claim 69, which is DNA.

72. A vector comprising the isolated polynucleotide of claim 69.

73. The vector of claim 72, wherein said polynucleotide is operably associated with a regulatory sequence that regulates gene expression.

74. A host cell which comprises the isolated polynucleotide of claim 69.

75. A process for producing a host cell comprising transforming or transfecting a cell with the vector of claim 73.

76. A process for producing a polypeptide comprising culturing the host cell of claim 74 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

77. An isolated polynucleotide comprising a nucleotide sequence at least 95% identical to the nucleotide sequence of SEQ ID NO:1.

78. The isolated polynucleotide of claim 77, comprising a nucleotide sequence at least 95% identical to nucleotides 1 to 2853 of SEQ ID NO:1.

79. The isolated polynucleotide of claim 78, which is RNA.

80. The isolated polynucleotide of claim 78, which is DNA.

81. A vector comprising the isolated polynucleotide of claim 78.